

SAFETY DATA SHEET

1. Identification

Product identifier ENVIROSEAL ACRYLIC SEALER

Other means of identification

Product number FL-2126-D

Recommended use Floor Seal

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name PEN Products

Address Indiana Department of Correction
2010 East New York Street
Indianapolis, IN 46201
United States

Telephone 317 955-6800
800 736-2550

Emergency phone number CHEMTREC 1-800-424-9300

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Acute toxicity, oral	Not classified
Acute toxicity, dermal	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Reproductive toxicity	Category 1

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement May damage fertility or the unborn child.

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.

Storage Store locked up. Store away from incompatible materials. Do not freeze. Keep out of the reach of children.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None known.

3. Composition/information on ingredients

Mixtures

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Chemical name	CAS number	% by weight
Dibutyl phthalate	84-74-2	1 - <5
1-Methyl-2-pyrrolidone	872-50-4	0.1 - <1
Diethylene glycol monomethyl ether	111-77-3	0.1 - <1
Ethylene glycol	107-21-1	0.1 - <1

4. First-aid measures

Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Notes to physician	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate personal protective equipment. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Avoid contact during pregnancy/while nursing. Avoid prolonged exposure. Provide adequate ventilation. Do not mix with other chemicals. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feedingstuffs. Keep at temperatures between 4 and 49C. Keep out of the reach of children.

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8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Dibutyl phthalate (CAS 84-74-2)	TWA	5 mg/m3	
Ethylene glycol (CAS 107-21-1)	Ceiling	100 mg/m3	Aerosol.

Control parameters

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Dibutyl phthalate (CAS 84-74-2)	PEL	5 mg/m3

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
1-Methyl-2-pyrrolidone (CAS 872-50-4)	100 mg/l	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Use personal protective equipment as required. If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand protection Wear protective gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	opaque
Form	Liquid.
Color	Off white
Odor	polymer
Odor threshold	Not available.
pH	8.5
Melting point/freezing point	32 °F (0 °C)
Boiling point	212 °F (100 °C)
Flash point	None to boiling.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.

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Vapor density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Specific gravity	1.03
VOC (Weight %)	0.77 %

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Do not freeze. Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Toxicological data

Product	Test Results
ENVIROSEAL ACRYLIC SEALER (Mixture)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Oral LD50 Rat: > 5000 mg/kg

Information on likely routes of exposure

Eye contact	Direct contact with eyes may cause temporary irritation.
Skin contact	No adverse effects due to skin contact are expected.
Ingestion	Suspected of damaging fertility or the unborn child by ingestion.
Inhalation	Prolonged inhalation may be harmful.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	
Not listed.	
Reproductive toxicity	May damage fertility or the unborn child.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Toxicological information	Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
US RCRA Hazardous Waste U List: Reference	
Dibutyl phthalate (CAS 84-74-2)	U069
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.		
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)			
Not regulated.			
CERCLA Hazardous Substance List (40 CFR 302.4)			
Dibutyl phthalate (CAS 84-74-2)		Listed.	
Ethylene glycol (CAS 107-21-1)		Listed.	
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)			
Not listed.			
CERCLA (Superfund) reportable quantity			
Dibutyl phthalate: 10			
Ethylene glycol: 5000			
Superfund Amendments and Reauthorization Act of 1986 (SARA)			
Hazard categories		Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazardous substance		No	
SARA 311/312 Hazardous chemical		No	
SARA 313 (TRI reporting)			
Chemical name		CAS number	% by wt.
Dibutyl phthalate		84-74-2	1 - <5
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Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Dibutyl phthalate (CAS 84-74-2)

Ethylene glycol (CAS 107-21-1)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act Not regulated.
(SDWA)

US state regulations

US. Massachusetts RTK - Substance List

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Dibutyl phthalate (CAS 84-74-2)

Diethylene glycol monomethyl ether (CAS 111-77-3)

Ethylene glycol (CAS 107-21-1)

US. New Jersey Worker and Community Right-to-Know Act

1-Methyl-2-pyrrolidone (CAS 872-50-4) 500 LBS

Dibutyl phthalate (CAS 84-74-2) 500 LBS

Ethylene glycol (CAS 107-21-1) 500 LBS

US. Pennsylvania RTK - Hazardous Substances

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Dibutyl phthalate (CAS 84-74-2)

Diethylene glycol monomethyl ether (CAS 111-77-3)

Ethylene glycol (CAS 107-21-1)

US. Rhode Island RTK

1-Methyl-2-pyrrolidone (CAS 872-50-4)

Dibutyl phthalate (CAS 84-74-2)

Ethylene glycol (CAS 107-21-1)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

1-Methyl-2-pyrrolidone (CAS 872-50-4) Listed: June 15, 2001

Dibutyl phthalate (CAS 84-74-2) Listed: December 2, 2005

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Dibutyl phthalate (CAS 84-74-2) Listed: December 2, 2005

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Dibutyl phthalate (CAS 84-74-2) Listed: December 2, 2005

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

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Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 01-14-2015

Version # 01

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

HMIS Hazard Ratings	
Health:	2
Flammability:	0
Reactivity:	0